

Re-Run

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/068,253

DATE: 05/10/2001  
 TIME: 11:04:42

Input Set : A:\19624051.app  
 Output Set: N:\CRF3\05102001\I068253.raw

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3 <110> APPLICANT: SHIMURA, Takesada  
 4 TORIYAMA, Satsuki  
 6 <120> TITLE OF INVENTION: CARTILAGE/ BONE INDUCING MATERIALS FOR REPARATION  
 8 <130> FILE REFERENCE: 146.1286  
 10 <140> CURRENT APPLICATION NUMBER: 09/068,253  
 11 <141> CURRENT FILING DATE: 1998-06-09  
 13 <150> PRIOR APPLICATION NUMBER: PCT/JP96/03333  
 14 <151> PRIOR FILING DATE: 1996-11-14  
 16 <150> PRIOR APPLICATION NUMBER: JP 7/322402  
 17 <151> PRIOR FILING DATE: 1995-11-17  
 19 <160> NUMBER OF SEQ ID NOS: 4  
 21 <170> SOFTWARE: PatentIn Ver. 2.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 357  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Homo sapiens  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: CDS  
 30 <222> LOCATION: (1)..(357)  
 31 <223> OTHER INFORMATION: Relevant amino acid residues in SEQ ID NO: 1 from  
 32 1 to 119 in WO 95/04819  
 34 <300> PUBLICATION INFORMATION:  
 35 <301> AUTHORS: HOTTEN, Gertrud  
 36 NEIDHARDT, Helge  
 37 PAULISTA, Michael  
 38 <302> TITLE: NEW GROWTH/DIFFERENTIATION FACTOR OF THE TGF-BETA  
 39 FAMILY  
 40 <310> PATENT DOC NO: WO 95/04819  
 41 <311> PATENT FILING DATE: 1995-02-16  
 42 <313> RELEVANT RESIDUES: 1 TO 119  
 44 <400> SEQUENCE: 1  
 45 cca ctg gcc act cgc cag ggc aag cga ccc agc aag aac ctt aag gct 48  
 46 Pro Leu Ala Thr Arg Gln Gly Lys Arg Pro Ser Lys Asn Leu Lys Ala  
 47 1 5 10 15  
 49 cgc tgc agt cgg aag gca ctg cat gtc aac ttc aag gac atg ggc tgg 96  
 50 Arg Cys Ser Arg Lys Ala Leu His Val Asn Phe Lys Asp Met Gly Trp  
 51 20 25 30  
 53 gac gac tgg atc atc gca ccc ctt gag tac gag gct ttc cac tgc gag 144  
 54 Asp Asp Trp Ile Ile Ala Pro Leu Glu Tyr Glu Ala Phe His Cys Glu  
 55 35 40 45  
 57 ggg ctg tgc gag ttc cca ttg cgc tcc cac ctg gag ccc acg aat cat 192  
 58 Gly Leu Cys Glu Phe Pro Leu Arg Ser His Leu Glu Pro Thr Asn His  
 59 50 55 60  
 61 gca gtc atc cag acc ctg atg aac tcc atg gac ccc gag tcc aca cca 240  
 62 Ala Val Ile Gln Thr Leu Met Asn Ser Met Asp Pro Glu Ser Thr Pro  
 63 65 70 75 80  
 65 ccc acc tgc tgt gtg ccc acg cga ctg agt ccc atc agc atc ctc ttc 288

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66 Pro Thr Cys Cys Val Pro Thr Arg Leu Ser Pro Ile Ser Ile Leu Phe
67      85      90      95
69 att gac tct gcc aac aac gtg gtg tat aag cag tat gag gac atg gtc 336
70 Ile Asp Ser Ala Asn Asn Val Val Tyr Lys Gln Tyr Glu Asp Met Val
71      100      105      110
73 gtg gag tcg tgt ggc tgc agg 357
74 Val Glu Ser Cys Gly Cys Arg
75      115
78 <210> SEQ ID NO: 2
79 <211> LENGTH: 119
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 2
84 Pro Leu Ala Thr Arg Gln Gly Lys Arg Pro Ser Lys Asn Leu Lys Ala
85 1      5      10      15
87 Arg Cys Ser Arg Lys Ala Leu His Val Asn Phe Lys Asp Met Gly Trp
88      20      25      30
90 Asp Asp Trp Ile Ile Ala Pro Leu Glu Tyr Glu Ala Phe His Cys Glu
91      35      40      45
93 Gly Leu Cys Glu Phe Pro Leu Arg Ser His Leu Glu Pro Thr Asn His
94      50      55      60
96 Ala Val Ile Gln Thr Leu Met Asn Ser Met Asp Pro Glu Ser Thr Pro
97 65      70      75      80
99 Pro Thr Cys Cys Val Pro Thr Arg Leu Ser Pro Ile Ser Ile Leu Phe
100      85      90      95
102 Ile Asp Ser Ala Asn Asn Val Val Tyr Lys Gln Tyr Glu Asp Met Val
103      100      105      110
105 Val Glu Ser Cys Gly Cys Arg
106      115
110 <210> SEQ ID NO: 3
111 <211> LENGTH: 27
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence:
117     oligonucleotide
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature
121 <222> LOCATION: (1)..(27)
122 <223> OTHER INFORMATION: PCR forward primer for isolating mature-type MP52
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125 ataatgccac tagcaactcg tcagggc 27
128 <210> SEQ ID NO: 4
129 <211> LENGTH: 26
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence:
135     oligonucleotide

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137 &lt;220&gt; FEATURE:

138 &lt;221&gt; NAME/KEY: misc\_feature

139 &lt;222&gt; LOCATION: Complement((1)..(26))

140 &lt;223&gt; OTHER INFORMATION: PCR reverse primer for isolating mature-type MP52

142 &lt;400&gt; SEQUENCE: 4

143 cgtcgactac ctgcagccac acgact

26

VERIFICATION SUMMARY

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